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ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
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NEWS 20 Jun 10 MEDLINE Reload
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FILE 'HOME' ENTERED AT 17:29:26 ON 14 JUN 2002

=> file medline, biosis, dgene, uspatful

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CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s bmp or bone morphogenic protein

L1 10131 BMP OR BONE MORPHOGENIC PROTEIN

=> s l1 and cartilage repair

L2 161 L1 AND CARTILAGE REPAIR

=> s l2 and BMP-2

L3 77 L2 AND BMP-2

=> s l3 and MP52

L4 10 L3 AND MP52

=> d l4 ti abs ibib tot

L4 ANSWER 1 OF 10 USPATFULL

TI Matrix-free osteogenic devices, implants and methods of use thereof
AB Provided herein are methods for inducing bone formation in a mammal sufficient to fill a defect defining a void, wherein osteogenic protein is provided alone or dispersed in a biocompatible non-rigid, amorphous carrier having no defined surfaces. The methods and devices provide injectable formulations for filling critical size defects, as well as for accelerating the rate and enhancing the quality of bone formation in non-critical size defects.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:142331 USPATFULL

TITLE: Matrix-free osteogenic devices, implants and methods of

use thereof

INVENTOR(S): Rueger, David C., Southborough, MA, United States

Tucker, Marjorie M., Holliston, MA, United States

PATENT ASSIGNEE(S): Stryker Corporation, Kalamazoo, MI, United States

(U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6281195	B1	20010828
APPLICATION INFO.:	US 1998-19339		19980205 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Russel, Jeffrey E.		
LEGAL REPRESENTATIVE:	Fish & Neave, Haley, Jr., James F., Mangasarian, Karen		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2501		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 10 USPATFULL

TI OSTEOGENIC DEVICES AND METHODS OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL

BONE, OSTEOCHONDRAL AND CHONDRAL DEFECTS

AB Disclosed herein are improved osteogenic devices and methods of use thereof for repair of bone and cartilage defects. The devices and methods promote accelerated formation of repair tissue with enhanced stability using less osteogenic protein than devices in the art.

Defects

susceptible to repair with the instant invention include, but are not limited to: critical size defects, non-critical size defects, non-union fractures, fractures, osteochondral defects, subchondral defects, and defects resulting from degenerative diseases such as osteochondritis dessicans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:139603 USPATFULL

TITLE: OSTEOGENIC DEVICES AND METHODS OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL BONE, OSTEOCHONDRAL AND

CHONDRAL

DEFECTS

INVENTOR(S): RUEGER, DAVID C., SOUTHBOROUGH, MA, United States
TUCKER, MARJORIE A., HOLLISTON, MA, United States
CHANG, AN-CHENG, WESTBOROUGH, MA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016646	A1	20010823
APPLICATION INFO.:	US 1998-45331	A1	19980320 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	PATENT ADMINISTATOR, TESTA HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110		
NUMBER OF CLAIMS:	49		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	5269		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 10 USPATFULL

TI IMPROVED OSTEOGENIC DEVICES AND METHODS OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL BONE AND OSTEOCHONDRAL DEFECTS

AB Disclosed herein are improved osteogenic devices and methods of use thereof for repair of bone and cartilage defects. The devices and methods promote accelerated formation of repair tissue with enhanced stability using less osteogenic protein than devices in the art.

Defects

susceptible to repair with the instant invention include, but are not limited to: critical size defects, non-critical size defects, non-union

fractures, fractures, osteochondral defects, subchondral defects, and defects resulting from degenerative diseases such as osteochondritis dessicans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:134213 USPATFULL

TITLE: IMPROVED OSTEOGENIC DEVICES AND METHODS OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL BONE AND OSTEOCHONDRAL DEFECTS

INVENTOR(S): RUEGER, DAVID C, SOUTHBOROUGH, MA, United States
TUCKER, MARJORIE A, HOLLISTON, MA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014662	A1	20010816
APPLICATION INFO.:	US 1997-822186	A1	19970320 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JAMES F. HALEY, FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, NEW YORK, NY, 100201104		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	4425		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 10 USPATFULL

TI Compositions and therapeutic methods using morphogenic proteins and stimulatory factors

AB The present invention provides pharmaceutical compositions comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those

belonging to the BMP protein family. Methods for improving the tissue inductive activity of a morphogenic protein in a mammal using those compositions are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF

disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. Methods for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A method for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a method for promoting in vivo integration of

an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. Methods of treating tissue degenerative conditions in a mammal using the pharmaceutical compositions are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:44203 USPATFULL

TITLE: Compositions and therapeutic methods using morphogenic proteins and stimulatory factors

INVENTOR(S): Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States

PATENT ASSIGNEE(S): Stryker Corporation, Kalamazoo, MI, United States
(U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6048964		20000411

APPLICATION INFO.: US 1995-570752 19951212 (8)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Nutter, Nathan M.
LEGAL REPRESENTATIVE: Fish & Neave, Haley, Jr., James F., Ruskin, Barbara A.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 12 Drawing Page(s)
LINE COUNT: 3062
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 10 USPATFULL

TI Compositions and therapeutic methods using morphogenic proteins and stimulatory factors

AB The present invention provides pharmaceutical compositions comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those

belonging

to the **BMP** protein family. Methods for improving the tissue inductive activity of a morphogenic protein in a mammal using those compositions are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF

disposed

within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. Methods for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A method for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a method for promoting in vivo integration of

an

implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. Methods of treating tissue degenerative conditions in a mammal using the pharmaceutical compositions are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:106108 USPATFULL
TITLE: Compositions and therapeutic methods using morphogenic proteins and stimulatory factors
INVENTOR(S): Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States
PATENT ASSIGNEE(S): Stryker Corporation, Kalamazoo, MI, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5948428		19990907
APPLICATION INFO.:	US 1996-761468		19961206 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-570752, filed on 12 Dec 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	Fish & Neave, Haley, James F., Ruskin, Barbara A.		
NUMBER OF CLAIMS:	78		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 16 Drawing Page(s)		
LINE COUNT:	3767		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 10 USPATFULL

TI Compositions and therapeutic methods using morphogenic proteins and

stimulatory factors

AB The present invention provides pharmaceutical compositions comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging to the ~~BMP~~ protein family. Methods for improving the tissue inductive activity of a morphogenic protein in a mammal using those compositions are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. Methods for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A method for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a method for promoting in vivo integration of an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. Methods of treating tissue degenerative conditions in a mammal using the pharmaceutical compositions are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:72563 USPATFULL
 TITLE: Compositions and therapeutic methods using morphogenic proteins and stimulatory factors
 INVENTOR(S): Lee, John C., San Antonio, TX, United States
 Yeh, Lee-Chuan C., San Antonio, TX, United States
 PATENT ASSIGNEE(S): Stryker Corporation, Kalamazoo, MI, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5916870		19990629
APPLICATION INFO.:	US 1998-158220		19980922 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-27873, filed on 23 Feb 1998 which is a division of Ser. No. US 1995-570752, filed on 12 Dec 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nutter, Nathan M.		
LEGAL REPRESENTATIVE:	Fish & Neave, Haley, James F., Ruskin, Barbara A.		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	3176		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 10 USPATFULL
 TI Cartilage induction by bone morphogenetic proteins
 AB Compositions of proteins with cartilaginous tissue inducing and maintenance activity are disclosed. The compositions are useful in the treatment of osteoarthritis, cartilage defects and in related tissue repair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:56457 USPATFULL
 TITLE: Cartilage induction by bone morphogenetic proteins
 INVENTOR(S): Hattersley, Gary, Cambridge, MA, United States
 Wolfman, Neil M., Dover, MA, United States
 Morris, Elisabeth A., Southboro, MA, United States
 Rosen, Vicki A., Chestnut Hill, MA, United States

PATENT ASSIGNEE(S): Genetics Institute, Inc., Cambridge, MA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5902785		19990511
APPLICATION INFO.:	US 1996-646193		19960507 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-467110, filed on 6 Jun 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kemmerer, Elizabeth		
LEGAL REPRESENTATIVE:	Lazar, Steven R., Gyure, Barbara A.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	811		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 10 USPATFULL

TI Compositions and therapeutic methods using morphogenic proteins and stimulatory factors

AB The present invention provides pharmaceutical compositions comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging

to the **BMP** protein family. Methods for improving the tissue inductive activity of a morphogenic protein in a mammal using those compositions are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed

within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. Methods for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A method for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a method for promoting in vivo integration of an

implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. Methods of treating tissue degenerative conditions in a mammal using the pharmaceutical compositions are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:162472 USPATFULL

TITLE: Compositions and therapeutic methods using morphogenic proteins and stimulatory factors

INVENTOR(S): Lee, John C., San Antonio, TX, United States

Yeh, Lee-Chuan C., San Antonio, TX, United States

PATENT ASSIGNEE(S): Stryker Corporation, Kalamazoo, MI, United States
(U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5854207		19981229
APPLICATION INFO.:	US 1998-27873		19980223
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-570752, filed on 12 Dec 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nutter, Nathan M.		
LEGAL REPRESENTATIVE:	Fish & Neave, Haley, Jr., James F., Ruskin, Barbara A.		
NUMBER OF CLAIMS:	28		

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 12 Drawing Page(s)
LINE COUNT: 072
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 10 USPATFULL

TI Compositions comprising bone morphogenic proteins and truncated parathyroid hormone related peptide and methods of inducing cartilage by

administration of same

AB Compositions of proteins with chondrocyte and cartilaginous tissue inducing activity, as well as method of using those compositions, are disclosed. The compositions comprise one or more proteins of the transforming growth factor-.beta. (TGF-.beta.) superfamily of proteins, particularly bone morphogenetic proteins (BMPs), in combination with parathyroid hormone related polypeptide (PTHrP) or an equivalent PTH-like polypeptide. The compositions and methods are useful in the treatment of osteoarthritis, cartilage defects and in related tissue repair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:154240 USPATFULL

TITLE: Compositions comprising bone morphogenic proteins and truncated parathyroid hormone related peptide and methods of inducing cartilage by administration of

same

INVENTOR(S): Hattersley, Gary, 10 Rogers St., #303, Cambridge, MA, United States 02142

Rosen, Vicki A., 2 Cedar Rd., Chestnut Hill, MA,

United

States 02167

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5846931		19981208
APPLICATION INFO.:	US 1997-926942		19970910 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-622101, filed on 26 Mar 1996, now patented, Pat. No. US 5700774		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kemmerer, Elizabeth		
LEGAL REPRESENTATIVE:	Lazar, Steven R.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	637		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 10 USPATFULL

TI Compositions comprising bone morphogenic proteins and truncated parathyroid hormone related peptide, and methods of inducing cartilage by administration of same

AB Compositions of proteins with chondrocyte and cartilaginous tissue inducing activity, as well as method of using those compositions, are disclosed. The compositions comprise one or more proteins of the transforming growth factor-.beta. (TGF-.beta.) superfamily of proteins, particularly bone morphogenetic proteins (BMPs), in combination with parathyroid hormone related polypeptide (PTHrP) or an equivalent PTH-like polypeptide. The compositions and methods are useful in the treatment of osteoarthritis, cartilage defects and in related tissue repair.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 97:120591 USPATFULL

TITLE: Compositions comprising bone morphogenic proteins and

truncated parathyroid hormone related peptide, and
methods of inducing cartilage by administration of

same

INVENTOR(S):

Hattersley, Gary, Cambridge, MA, United States
Rosen, Vicki A., Chestnut Hill, MA, United States

PATENT ASSIGNEE(S):

Genetics Institute, Inc., Cambridge, MA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5700774		19971223
APPLICATION INFO.:	US 1996-622101		19960326 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fitzgerald, David L.		
ASSISTANT EXAMINER:	Kemmerer, Elizabeth C.		
LEGAL REPRESENTATIVE:	Meinert, M. C., Lazar, S.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	668		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.